

AMENDMENT TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) The A roll comprising: in accordance with claim 21,
~~a roll jacket structured and arranged to surround an interior space; and~~
~~an absorber arrangement comprising at least one passive vibration absorber located within the interior space;~~
wherein said vibration absorber has an absorber frequency that lies below a natural frequency of said roll.
2. (Withdrawn – Currently amended) The roll in accordance with claim 4 21 in combination with a calender roll stack, said calender roll stack comprising at least two end rolls and at least one middle roll comprising said roll.
3. (Currently amended) The roll in accordance with claim 4 21, wherein said vibration absorber is arranged to act on said roll jacket.
4. (Original) The roll in accordance with claim 3, wherein said vibration absorber is structured and arranged to act on said roll jacket in a damping manner.
5. (Currently amended) The roll in accordance with claim 4 21, wherein said vibration absorber comprises a mass that is at least 15% of a mass of said roll jacket.
6. (Original) The roll in accordance with claim 5, wherein said mass is at least 20% of the mass of said roll jacket

7. (Currently amended) The roll in accordance with claim 4 21, wherein said vibration absorber is positioned, in an axial direction of the roll jacket, at a location at which a vibration loop forms during operation.

8. (Original) The roll in accordance with claim 7, wherein said vibration absorber comprises a plurality of individual absorbers that are positioned, distributed in the axial direction, at locations at which vibration loops form during operation.

9. (Original) The roll in accordance with claim 8, wherein an individual absorber is arranged at each vibration loop.

10. (Canceled).

11. (Currently amended) The roll in accordance with claim 10 21, wherein the natural frequency is decisive of the formation of barring.

12. (Currently amended) The A roll comprising: in accordance with claim 21,

~~a roll jacket structured and arranged to surround an interior space; and
an absorber arrangement comprising at least one passive vibration absorber located within the interior space;~~

wherein said vibration absorber has an absorber frequency that lies below a natural frequency of a roll system comprising said roll.

13. (Original) The roll in accordance with claim 12, wherein the natural frequency is decisive of the formation of barring.

14. (Currently amended) The roll in accordance with claim 10 21, wherein the absorber frequency is coordinated with a barring frequency.

15. (Currently amended) The roll in accordance with claim 4 21, wherein said vibration absorber comprises a roll-shaped body.

16. (Original) The roll in accordance with claim 15, wherein said roll-shaped body is structured and arranged to slide into said roll.

Claim 17. (Canceled).

18. (Original) The roll in accordance with claim 17 21, wherein said spring arrangement comprises a plurality of cup springs.

Claims 19. – 20. (Canceled).

21. (Previously presented) A roll comprising:
a roll jacket structured and arranged to surround an interior space;
an absorber arrangement comprising at least one passive vibration absorber located within the interior space;
a damper arrangement positioned between said vibration absorber and said roll jacket;

a spring arrangement combined with said damper arrangement to support said vibration absorber in said roll jacket; and

at least one support composed of an elastomer material, wherein said vibration absorber is supported on said roll jacket via said at least one support.

22. (Currently amended) The roll in accordance with claim 4 21, wherein said vibration absorber is structured and arranged to be moveable relative to said roll jacket.

23. (Withdrawn) The roll in accordance with claim 22, wherein said vibration absorber is structured to be rotatably movable relative to said roll jacket.

24. (Withdrawn) The roll in accordance with claim 23, wherein said vibration absorber is structured to be limitedly rotatably movable relative to said roll jacket.

25. (Withdrawn – Currently amended) The roll in accordance with claim 4 21, further comprising a liquid arranged to fill, at least in an area between said vibration absorber and said roll jacket, said interior space.

26. (Withdrawn) The roll in accordance with claim 25, wherein said liquid has a viscosity that exceeds a predetermined minimum.

27. (Withdrawn – Currently amended) The roll in accordance with claim 4 21, wherein said vibration absorber comprises a surrounding intermediate layer composed of a viscoelastic material.

28. (Withdrawn) The roll in accordance with claim 27, wherein said surrounding intermediate layer is shrunk in said roll jacket.

29. (Withdrawn) The roll in accordance with claim 27, further comprising a pipe arranged between said roll jacket and said intermediate layer.

30. (Withdrawn – Currently amended) The roll in accordance with claim 4 21, wherein said vibration absorber comprises a mass element supported in at least one disk composed of an elastic material, and wherein said disk is supported on said roll jacket.

31. (Withdrawn) The roll in accordance with claim 30, wherein said disk rests on said roll jacket over its entire circumference.

32. (Withdrawn) The roll in accordance with claim 30, wherein said mass element projects beyond said disk in an axial direction of said roll

33. (Withdrawn) The roll in accordance with claim 30, wherein said mass element comprises an enlargement outside of said disk.

34. (Currently amended) The roll in accordance with claim 4 21, wherein said vibration absorber has an adjustable absorber frequency.

35. (Withdrawn) The roll in accordance with claim 34, wherein said absorber frequency is adjustable from outside of said roll.

36. (Withdrawn) The roll in accordance with claim 34, wherein said vibration absorber comprises a spring unit having a rigidity that can be changed in a controlled manner.

37. (Withdrawn – Currently amended) The roll in accordance with claim 4 21, wherein said absorber arrangement comprises vibration absorbers having different absorber frequencies.

38. (Withdrawn – Currently amended) A calender with a roll stack having at least two middle rolls, at least one of said at least two middle rolls being said roll in accordance with claim 4 21.

Claims 39. – 46. (Canceled).